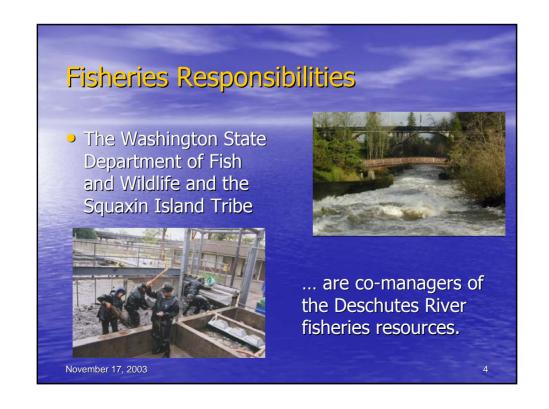
# Deschutes Estuary Restoration Feasibility Study November 17, 2003



# General Administration Manages ... Capitol Lake dam About 40 acres of parks on the lake (Heritage, Marathon, & Interpretative Site) About 1.6 miles of roadway (Deschutes Parkway) About 260 acres of Capitol Lake November 17, 2003



## Other Governmental Responsibilities

- The lake is located within the cities of Olympia and Tumwater.
- The Deschutes River watershed lies within Thurston County.
- Dept. of Natural Resources owns the bed of the lake.
- Dept. of Ecology administers the Shoreline Management Act and wetland mitigation.
- The Port of Olympia is affected by the sediments from Capitol Lake.

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# Collaborative Management

- In 1997, GA invited these state agencies, the Tribe, and these local governments to assist in making management decisions which affect the lake.
- This management advisory group is called the "Capitol Lake Adaptive Management Plan (CLAMP) - Steering Committee".

November 17, 2003

# **CLAMP - Steering Committee**

- General Administration,
- Ecology,
- Fish & Wildlife,
- Natural Resources,
- Squaxin Island Tribe,
- Tumwater,
- Olympia,
- Thurston County, and
- Port of Olympia.



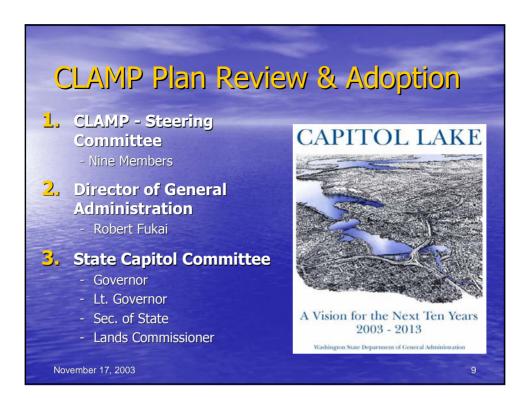
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# "A Vision for the Next Ten Years 2003-2013"

- Overall Goal is to adaptively manage the Capitol Lake basin.
- Avoid making decisions that would preempt the selection of a long-term Aquatic Environment. (e.g. freshwater or saltwater)
- Provide "Management Objectives" to deal with a wide variety of the day-to-day management activities.

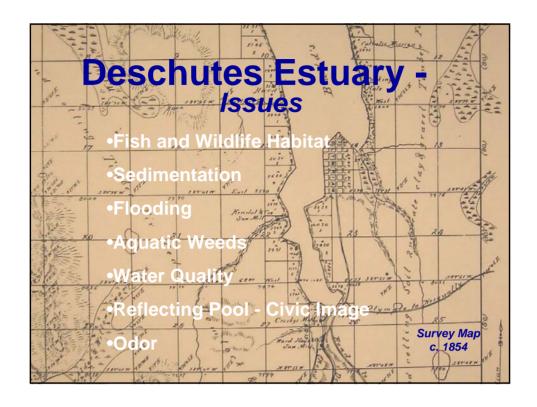
November 17, 2003

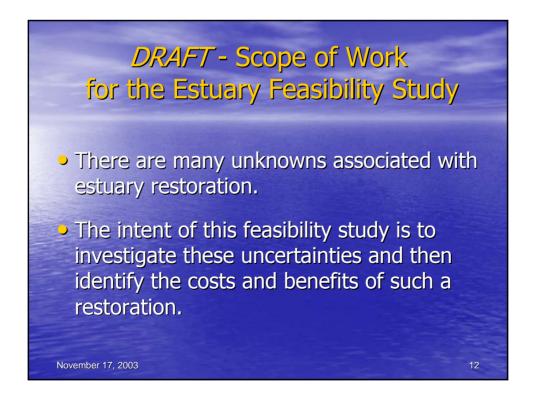


# State Capitol Committee

- On November 6, 2003 the State Capitol Committee (SCC) adopted Management Objective #2 as part of the CLAMP 10 Year Plan.
  - "Complete an estuary feasibility study to determine a long-range management decision."
- SCC motion also included securing <u>full funding</u> of the estuary feasibility study by June 30, 2005.

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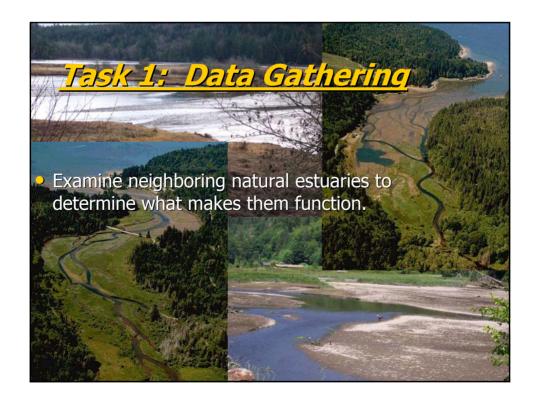




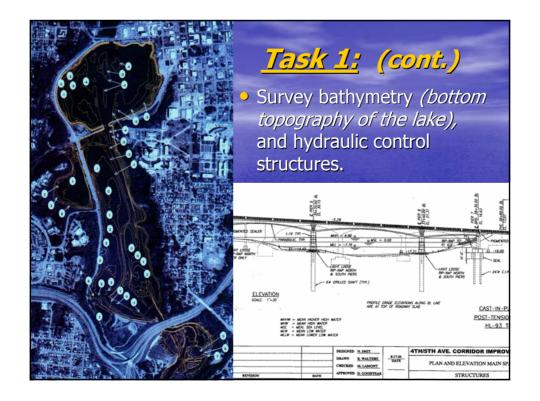
# Important Areas of Investigation

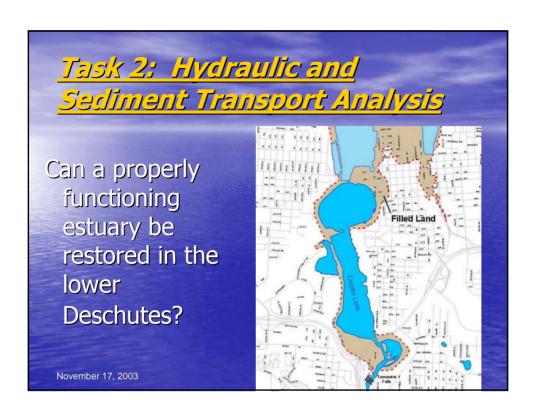
- Task 1: Data Gathering
- Task 2: Hydraulic and Sediment Transport
   Analysis
- Task 3: Biological Considerations
- Task 4: Design Alternatives
- Task 5: Net Benefit Analysis

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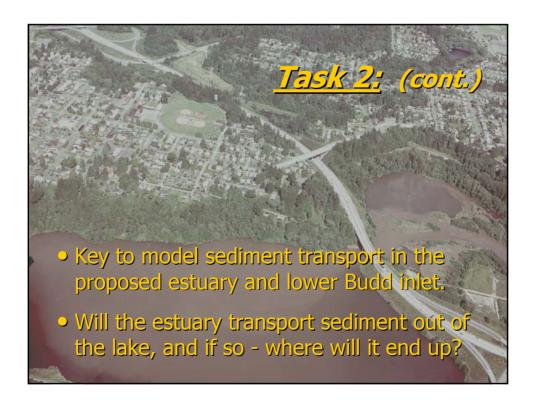


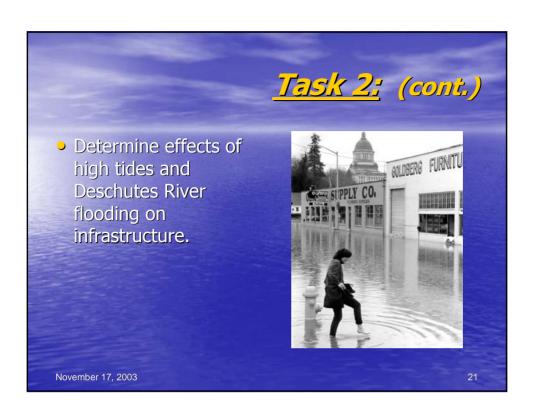


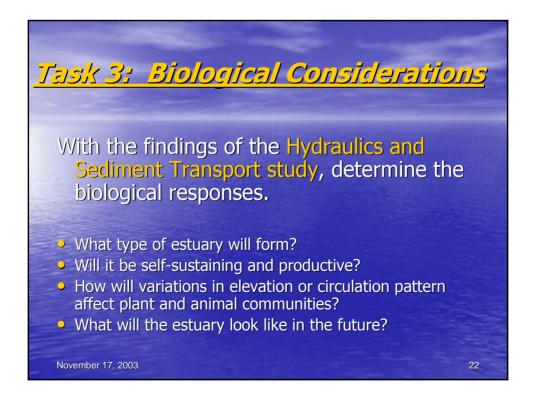












# Initial Estuary Design

- Remove the Capitol Lake dam and construct a new bridge for Deschutes Parkway and 5th Ayenue.
- Review modifications to:
  - Deschutes Parkway,
  - Railroad Bridge/Marathon Park,
  - I-5 Bridge, and
  - Percival Cove.
- Determine that natural processes are supported, and if any modifications are necessary.

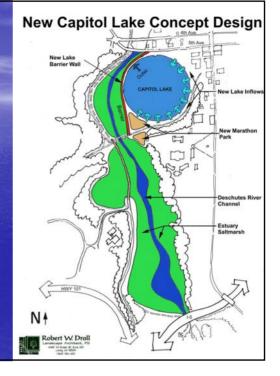
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# Or ... Create a Combination Lake - Estuary



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# Task 5: Net Benefit Analysis

- The community, engineering, and biological costs and benefits will be examined.
- Alternatives will be examined on a short and long term basis.
- A common currency will be developed so that comparisons can be made across the full range of values and alternatives.
- An important consideration for selecting a preferred alternative will be that the community trusts that the benefit-cost analysis was fair and equitable.

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# How much would the study cost? Study Subtotal \$760,000 Contingency \$115,000 to \$190,000 TOTAL \$875,000 to \$950,000 - Once initiated, the feasibility study should take about one to two years to complete.



## Potential Grant Funding Sources

- <u>SALMON RECOVERY FUNDING BOARD</u> (SRFB) – For the Estuary Feasibility Study, and Restoration Projects

√ PUGET SOUND ACTION TEAM - [Applied for \$45,000]
Public Involvement and Education (PIE) Program

√ <u>USFWS</u> - [Applied for \$20,000]

Watershed Restoration Program

- NOAA/WDOE -

Coastal Zone Management (CZM) Program

- <u>USEPA</u> – Watershed Initiative Program

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3.

# Example of "In-King/" support

- The State Department of Ecology will need a bathymetry survey and a 3-dimensional computer model of Capitol Lake for its <u>Deschutes River-Budd</u> Inlet TMDL Study.
- If they undertook the bathymetry survey (est. \$30,000) with their own resources, then this could be counted as an "In-Kind" contribution.
- In this example, Ecology would also be taking on one of the TASKS listed within the scope of work.

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## **NEXT STEPS ...**

- Continue to discuss the Estuary Feasibility Study throughout the community.
- Refine the scope of work and budget, as needed.
- Seek funding opportunities to support the study.
- Provide timely updates to the State Capitol Committee.

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# QUESTIONS?

### Contact

 Department of General Administration – Division of Facilities Planning and Management

1058 Capitol Way S Olympia, WA 98504-1019 360-902-0944

 Check the website at: www.ga.wa.gov/CLAMP/index.html November 17, 2003



